

SYMPOSIUM

The Florida Keys National Marine Sanctuary: An Ecosystem Report Card

**6 December 2001, NOAA Auditorium
1301 East West Highway, Silver Spring**

- 8:00 Coffee
- 8:30 Opening Remarks: Dan Basta (NOAA, National Marine Sanctuaries Program)
Ken Haddad (Florida Marine Research Institute)
Bob Ballard (Florida Department of Environmental Protection)
Fred McManus (U.S. Environmental Protection Agency)
Billy Causey (NOAA, Florida Keys National Marine Sanctuary)
- 8:50 FKNMS Background and Introduction to the Symposium: Brian Keller (FKNMS) and
Bill Kruczynski (EPA)

1. Geology; Circulation; and Sanctuary-Wide, Long-Term Monitoring of Seagrasses and Coral Reefs

- 9:00 Geology of the Florida Keys: Gene Shinn (U.S. Geological Survey)
- 9:20 Circulation of Florida Bay and the Surrounding Coastal Waters of the Southwest Florida Shelf and the Florida Keys: Elizabeth Johns (NOAA, Atlantic Oceanographic and Meteorological Laboratory)
- 9:40 Seagrass Monitoring Project: Jim Fourqurean (FIU and SERC)
- 10:00 Coral Reef Monitoring Project: Walt Jaap and Jennifer Wheaton (FMRI) and Jim Porter (Univ. of Georgia)
- 10:20 Session 1 Q&A

10:30 Break

2. Sanctuary-Wide, Long-Term Monitoring of Water Quality and Special Studies of Groundwater

- 10:50 Water Quality Monitoring Project: Ron Jones and Joe Boyer (Florida International Univ., Southeast Environmental Research Center)
- 11:10 Subsurface Flow of Contaminated Groundwater in the Florida Keys: Jeff Chanton (Florida State Univ.)
- 11:30 Fate of Wastewater Nutrients in Groundwater in the Florida Keys: Lee Kump (Pennsylvania State Univ.)
- 11:50 Session 2 Q&A

12:00 Lunch on Your Own

3. Monitoring Effects of FKNMS Fully Protected Zones

- 1:00 Ecological Processes Driving Reef Recovery in Fully Protected Zones of the FKNMS: John Ogden (Florida Institute of Oceanography) and Robbie Smith (Bermuda Biological Station for Research)
- 1:20 Habitat and Reef Fish Communities: Jerry Ault (Univ. of Miami, Rosenstiel School of Marine and Atmospheric Science)
- 1:40 Rapid Assessment and Monitoring of Coral Reef Habitats: Steven Miller (Univ. of N. Carolina at Wilmington/NOAA National Undersea Research Center at Key Largo)
- 2:00 Session 3 Q&A
- 2:10 Effects of Fully Protected Zones on Reef Fish Communities I: Jim Bohnsack (NOAA Fisheries, Southeast Fisheries Science Center)
- 2:30 Effects of Fully Protected Zones on Reef Fish Communities II: Christy Pattengill-Semmens (Reef Environmental Education Foundation)
- 2:50 Spiny Lobster, Queen Conch Restoration, and a Sea Urchin/Seagrass Overgrazing Event: John Hunt (FMRI)
- 3:10 The Sentinel Lobster Fishery Program: Doug Gregory (Univ. of Florida/Florida Sea Grant, Monroe County Cooperative Extension Service)
- 3:30 Session 4 Q&A
- 3:40 *Break*

4. Data Management, Socioeconomic Research, the African Dust Hypothesis, and NCCOS Partnerships

- 4:00 Data Management: Chris Anderson (FMRI)
- 4:20 Socioeconomic Research: Bob Leeworthy (NOAA, Special Projects Office)
- 4:40 Long-range Transport of Diseases – the African Dust Hypothesis: Gene Shinn (USGS)
- 4:50 Biomarkers of Stress in Corals: Cheryl Woodley (NOAA, Center for Coastal Environmental Health and Biomolecular Research)
- 5:10 Coral Reef and Seagrass Ecosystem Function in the Tortugas: Mark Fonseca (NOAA, Center for Coastal Fisheries and Habitat Research)
- 5:30 Bank Characterization and Seagrass Restoration: Jud Kenworthy (NOAA, CCFHR)
- 5:50 Session 5 Q&A
- 6:00 Closing Remarks: Brian Keller and Bill Kruczynski